



CERTIFICATE OF ANALYSIS

Product **Lactose**
4-O-β-D-galactopyranosyl-α-D-glucose

Catalog No. S-9004

Amount 721 mg

Lot No. ZA0603

Chemical Formula: $C_{12}H_{22}O_{11} \cdot H_2O$

Formula Weight 360.3

Storage: Reconstituted sugar solutions should be stored frozen or stored at 4 °C using sodium azide (0.08%) as a preservative.

Reconstitute the sugar in 5 ml of distilled or deionized water or in 5 ml of a buffer (e.g. 10 mM HEPES buffered saline, pH 7.5-pH 8.0) or salt solution compatible with the lectin under study. **If reconstituted in 5 ml, this sugar will be 400 mM.** The sugar solution can be diluted further when appropriate or the sugar may be reconstituted with a smaller volume of water or buffer, if the sugar is soluble, to increase the final concentration.

This sugar is suitable for diluting labeled lectins to demonstrate lectin specificity by inhibiting binding or for eluting glycoconjugates from agarose-bound lectins.